#### 200 AMP 240/120 MLO VOLT, 1 PHASE, 3 WIRE, 60 HERTZ, MLO

CIRCUIT	No. POLES	RATING	DESCRIPTION	LOAD
1,3	2	60	Primary Pump #1 Starter (5hp)	6.75
2,4	2	60	Primary Pump #2 Starter (5hp)	6.75
5	1	20	Secondary Pump #1 Starter (0.75hp)	1.6
6	1	20	Exhaust Fan (1/2hp)	1.2
8	1	20*	Lights Interior & Exterior	0.6
9	1	20*	EOS Controls	1.0
10	1	20	Secondary Pump #2 Starter (0.75hp)	1.6
11-14	1	20	Spare	_
15-30	1	_	Spare	_

- \* NOTE: Provide handle lock for circuit.
- \* NOTE: Provide Type HACR Circuit Breaker on Circuit

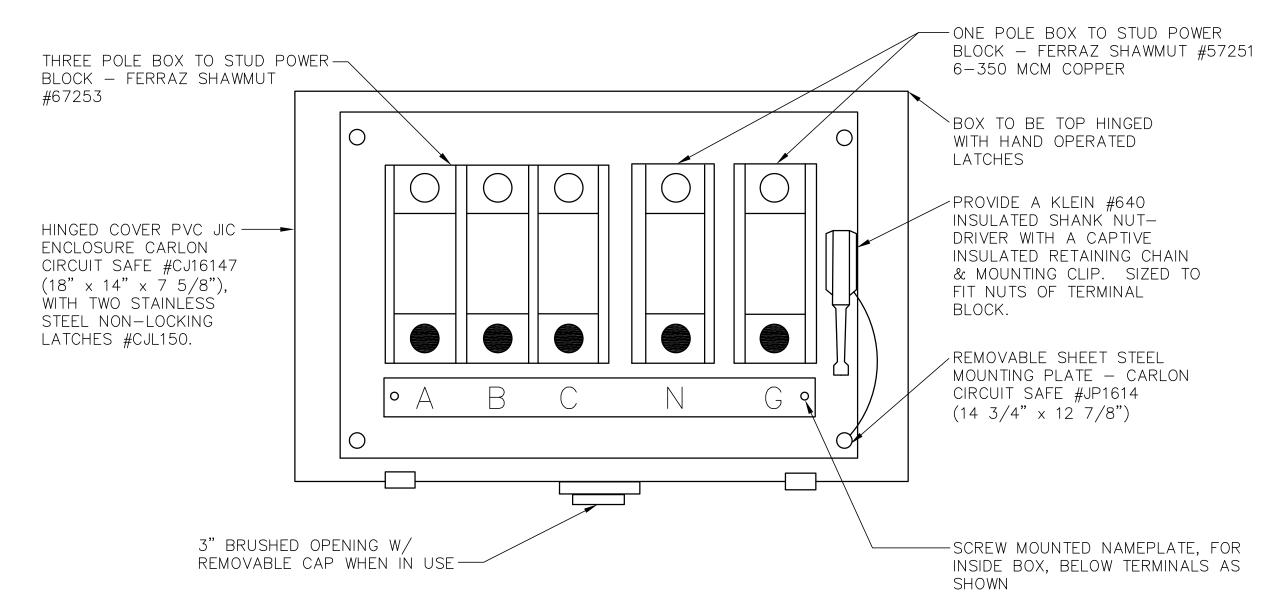
#### Panel 1 Surface Mounted - Pump Control Building Not to Scale

TYPE	MAKE/MODEL	LAMPING	MOUNTING
А	Crouse Hinds EVS210	1-100A	Wall Height as Field Directed
В	Crouse Hinds VXHBF25GP	1-100A	Wall Height as Field Directed
С	Holophane PETM250MH24SYWL PETMAS S-64457	1-250WMH	Wall at 16—ft AFF
D	Rund GPO417-M-F-PC1	1-175WMH	Wall at Truck Door — Height as Field Directed

#### Light Fixture Schedule

LOCATION	RATING	MAKE/MODEL	MOUNTING
P/S I	5.0KW, 240v, 1ø	Markel XL 312 with TW161 T'stat (all Class I, Div. I, Group C,D) or Berko RUX500412 with RUXWM12 wall bracket and WR80EP thermostat	Wall Bracket top of heater 12" below ceiling

#### Electric Unit Heater Schedule



## Portable Generator Terminal Box Detail

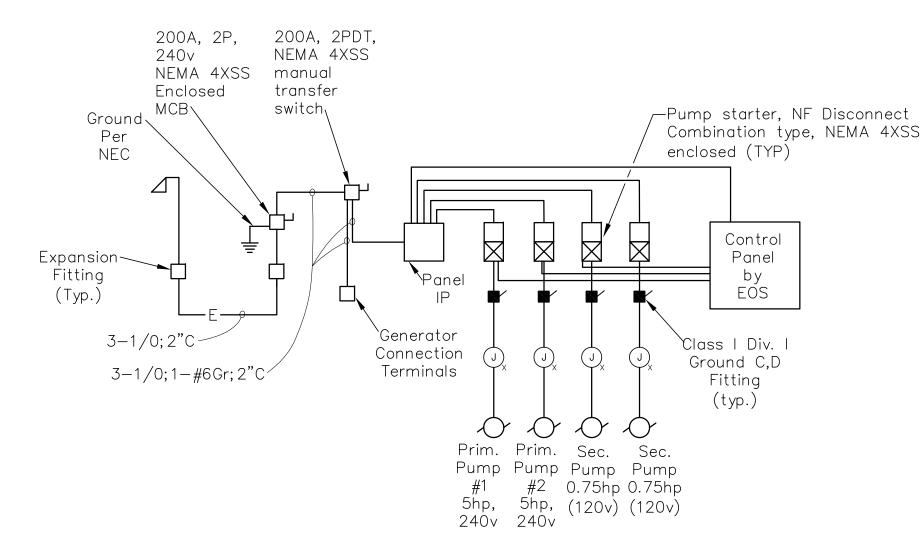
#### Not to Scale

#### <u>LEGEND</u>

- Incadescent/HID Light Fixture
- Single Pole Switch, 48" AFF, X indicates Class I: Div. I: 3 indicates 3"
- Junction Box; x indicates class I, Div. I
- NF Disconnect Motor Starter
- Disconnect switch or C/B; x indicates Class I,
- Connection to fixed equipment
- Thermostat; x indicates Class I, Div. I
- Above Finished Floor
- Motor Operated Damper
- Flow Meter
- XFER

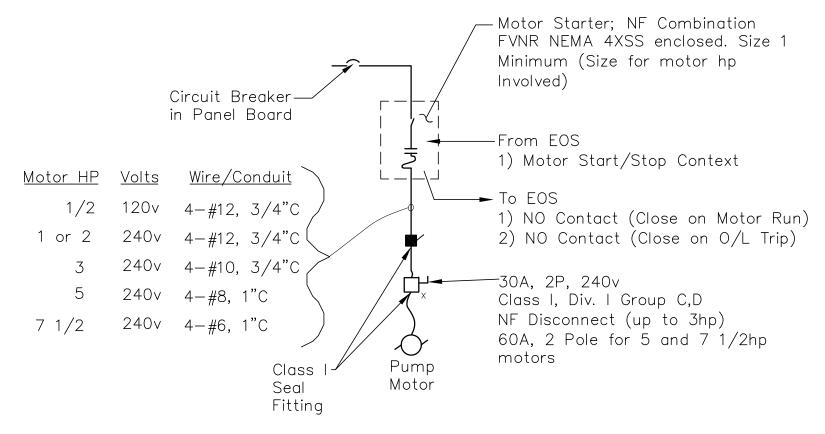
Transfer

- Switch
- Circuit Breaker
- Exhaust Fan
- Waterproof/Waetherproof



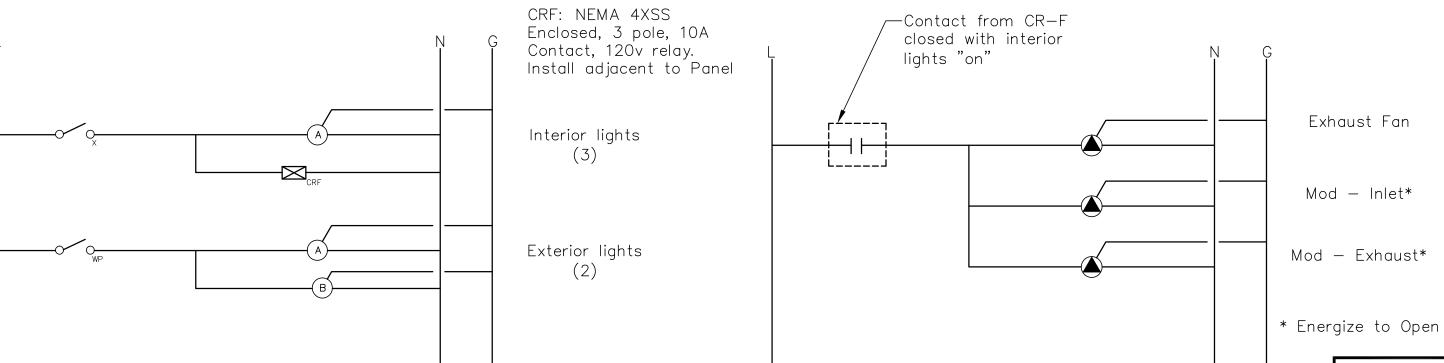
#### One Line Diagram P/S I

#### Not to Scale



#### Typical Pump Interconnection Diagram

#### Not to Scale



### Typical Lighting

Prim. Pump #1

Prim. Pump #2 <del>→</del>

Sec. Pump #1 -

Starter

Starter

Starter

Starter

(est. 9 #14;

3/4°C)

3/4"C wire per dévice

being connected

3 #12 - 3/4°C

EOS Panel at

P/S I

3-#14; 3/4°C

Float Switch at the Leak Detection

Sump Chamber (At P/S I 3 FM FM FM #14; 3/4"C)

Panel Board <del>→</del>

Transducer Transducer

Sec. Pump Prim. Pump
#1 #1

Transducer Transducer FM Sec. Pump #2 Prim. Pump #1

#### W/D - P/S I

Not to Scale

## Typical Exhaust Fan

comment

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#### North Country Environmental Services, Inc. Bethlehem, NH

Stage IV Phase II Type IB Permit Application

Electrical Schedules, Legends and Details



date

by

	designed by: RJG/WAS/ETR	date: February 2009
1	drawn by: APV/MAM/ DAA/DMO	project no: 656.05
	approved by:	sheet no:

RJG/WAS

E-2

## P/S EOS Panel Interconnection

(P/S I ONLY)

Not to Scale